

Title (en)
INTERPHALANGEAL JOINT REPLACEMENT

Title (de)
INTERPHALANGÄRER GELENKERSATZ

Title (fr)
REMPLACEMENT D'UNE ARTICULATION INTERPHALANGIENNE

Publication
EP 1339362 A2 20030903 (EN)

Application
EP 01998286 A 20011127

Priority
• US 0144426 W 20011127
• US 25351700 P 20001128

Abstract (en)
[origin: US2002065561A1] First and second elements that have mating heads form an interphalangeal joint prosthesis that allows smooth articulation dorsal to volar. The first element head has a proximal surface defined by two intersecting planes, a stem portion that extends longitudinally therefrom and a convex bicondylar articulating surface having a central valley. The second element has a biconcave articulating proximal surface which mates with the first element articulating surface and a stem portion that extends longitudinally from the distal surface thereof, with a notch being formed in a dorsal surface of the head at a location that does not disturb attachments to the dorsal tubercle or the function of the median band of the extensor expansion. Sets of such joint prostheses of varying sizes are provided which are designed so that adjacent sizes interfit. A method for treating a deteriorated PIP joint is described.

IPC 1-7
A61F 2/42; **A61B 17/15**

IPC 8 full level
A61B 17/15 (2006.01); **A61F 2/42** (2006.01); **A61F 2/00** (2006.01); **A61F 2/30** (2006.01)

CPC (source: EP US)
A61B 17/15 (2013.01 - EP US); **A61F 2/4241** (2013.01 - EP US); **A61F 2/30767** (2013.01 - EP US); **A61F 2/30965** (2013.01 - EP US); **A61F 2002/30153** (2013.01 - EP US); **A61F 2002/30158** (2013.01 - EP US); **A61F 2002/3021** (2013.01 - EP US); **A61F 2002/30301** (2013.01 - EP US); **A61F 2002/30616** (2013.01 - EP US); **A61F 2002/4243** (2013.01 - EP US); **A61F 2230/0019** (2013.01 - EP US); **A61F 2230/0026** (2013.01 - EP US); **A61F 2230/0067** (2013.01 - EP US); **A61F 2230/008** (2013.01 - EP US); **A61F 2310/00161** (2013.01 - EP US); **A61F 2310/00574** (2013.01 - EP US)

Citation (search report)
See references of WO 0243627A2

Cited by
WO2010079288A1; WO2010079289A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2002065561 A1 20020530; **US 6699292 B2 20040302**; AU 1790602 A 20020611; CA 2430255 A1 20020606; CA 2430255 C 20090929; DE 60126129 D1 20070308; DE 60126129 T2 20071115; EP 1339362 A2 20030903; EP 1339362 B1 20070117; JP 2004520873 A 20040715; JP 4027798 B2 20071226; WO 0243627 A2 20020606; WO 0243627 A3 20020801

DOCDB simple family (application)
US 99536501 A 20011127; AU 1790602 A 20011127; CA 2430255 A 20011127; DE 60126129 T 20011127; EP 01998286 A 20011127; JP 2002545608 A 20011127; US 0144426 W 20011127